PHILIPS

DCC 175 Digital Compact Cassette Recorder

0000000 005678

Ⓓ Deutschland

Hiermit wird bescheinigt, daß dieses Gerät in Übereinstimmung mit den Bestimmungen der Amtsblattverfügung 1046/1984 funkentstört ist. Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

Ⓝ Norge

Typeskilt finnes på apparatens underside.

ⒶⓊⓈ Australia

Gurarantee .... page 188

ⓃⓏ New Zealand

Gurarantee .... page 188

ⒷⓇ Brasil

Garantía .... página 189

ⓂⒺⓍ México   NOM

PRECAUCIÓN - ADVERTENCIA
No abrir, riesgo de choque eléctrico
ATENCIÓN
Verifique que el voltaje de alimentación sea el requerido para su aparato
Para evitar el riesgo de choque eléctrico, no quite la tapa. En caso de requerir servicio, dirijase al personal calificado.

Es necesario que lea cuidadosamente su instructivo de manejo.

Garantía .... página 189

ⒸⒹⓃ Canada

This Class B digital apparatus meets all requirements of the Canadian interference-causing equipment regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du règlement sur le matériel brouilleur du Canada.

WRITE

MODE

TEXT

TIME

COUNTER

DISPLAY

PLAY/SIDE

STOP/OFF

OPEN

REC PAUSE

▶▶⊢

⊢◀◀

3

REV. MODE   DOLBY NR   DBB   VOLUME   PHONES/
REC   OFF ON   OFF MID MAX   REMOTE
PLAY

REV.   DOLBY   DBB   VOLUME   PHONES/
MODE   NR   REMOTE

HOLD   MIC LINE   REC. MODE   REC. LEVEL   DIGITAL/MIC
           H L   ALC MANUAL   LINE IN

HOLD MIC/LINE REC   REC   DIGITAL/MIC
                MODE   LEVEL   LINE IN

DC IN 6V   DIGITAL (OPTICAL)/   COMPUTER
             LINE OUT

DC IN 6 V   COMPUTER
                                    DATA I/O

DIGITAL (OPTICAL)/
LINE OUT (audio)

INTRODUCTION

CONTROLS
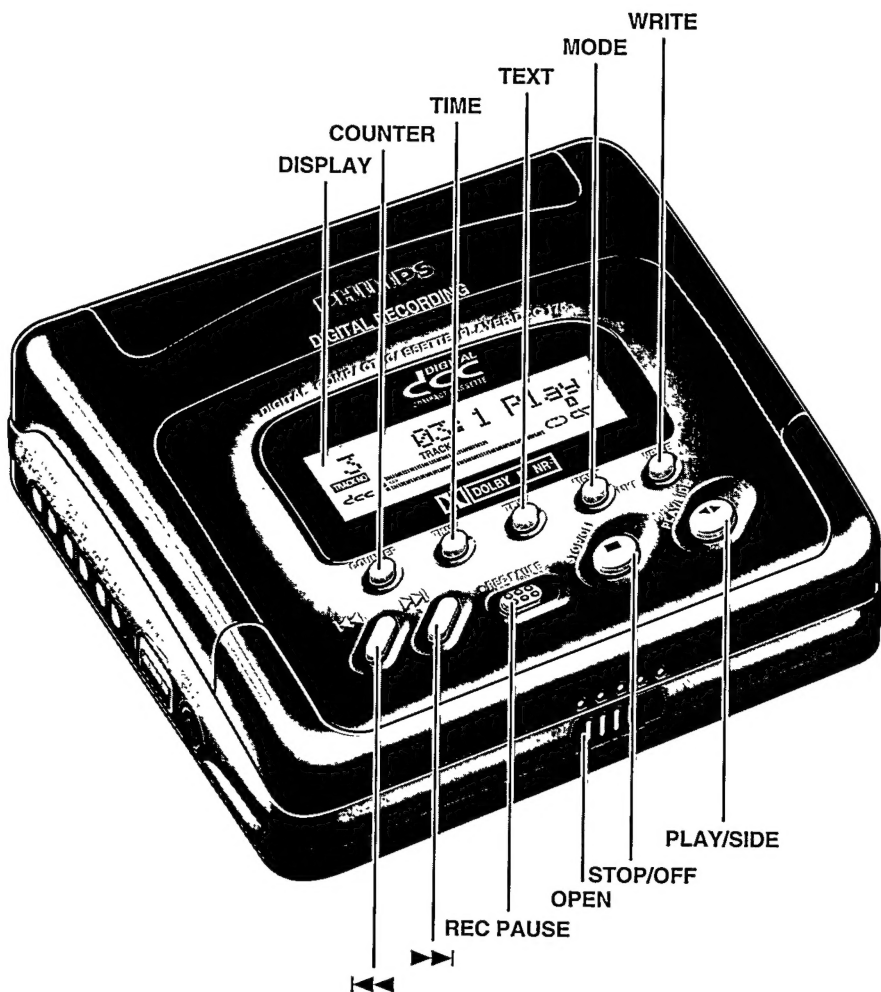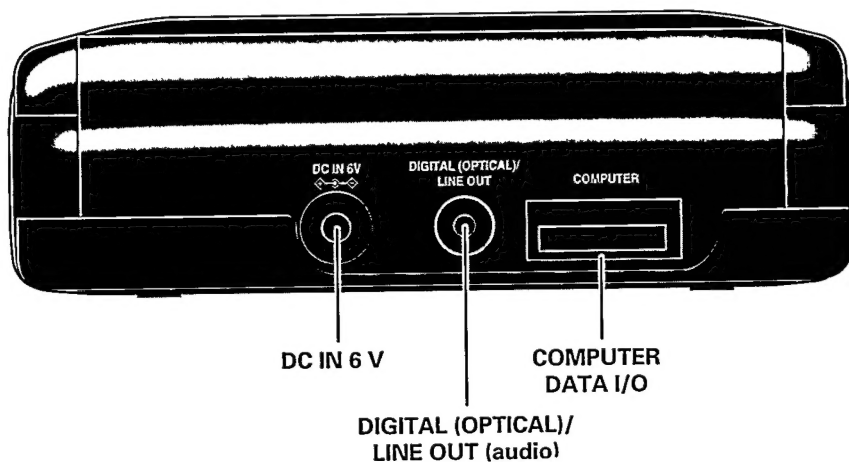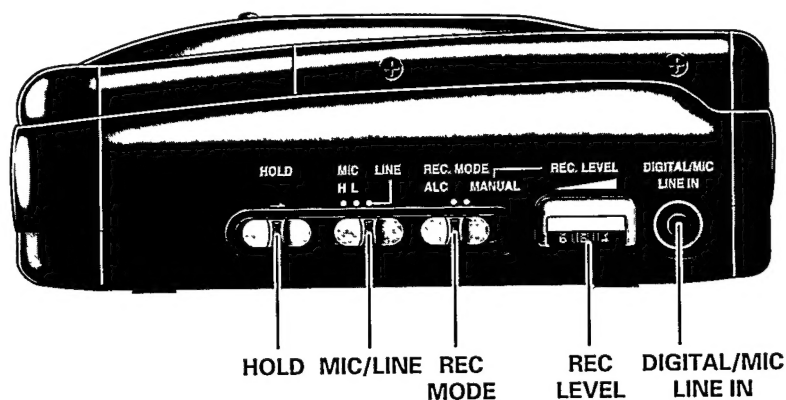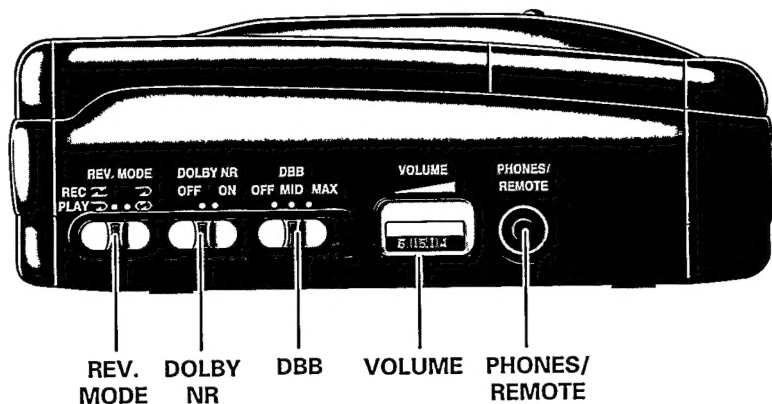
INTRODUCTION

Philips has now further developed the music cassette - and the result is the DCC.

- DCC (Digital Compact Cassette) fills the large gap between the music cassette and the compact disc.
- DCC is capable of being recorded on and played back just like the musicassette.
- DCC plays music digitally on a new design, new style audio cassette. It produces digital sound of high dynamic range and Compact Disc quality.
- The DCC recorder incorporates the latest 18 bit DCC technology.
- The high sound quality is guaranteed by sophisticated CIRC error correction circuitry and PASC coding.

The DCC175 is MultiMedia prepared, having a computer connector at the rear side. The optional MultiMedia upgrade kit includes:

- The 'DCC-LINK', an interface adapter for connection to the parallel port of personal computers.
- 'DCC-STUDIO' diskette, a windows software package for editing and compiling DCC tapes with your PC.
- 'DCC-BACKUP' diskette, a software package for storing up to 500 MB of files from your PC on DCC.

Please read the operation instructions carefully to be able to enjoy the troublefree operation of the DCC recorder for a long time.

The type plate is located on the base of the set.

FRONT AND TOP PANEL (illustration on page 3)

COUNTER — to select the tape counter to be shown on the display and to reset the tape counter to '0000'.

TIME — for selecting the different time modes to be shown on the display: absolute time, track time, total time and total remaining time. Press to scroll through the different modes.
Only functional for DCC cassettes

TEXT — for selecting text information to be shown on the display.
Keep this key pressed to scroll the track title.
Press this key briefly to scroll the album title and the artist
Only functional for prerecorded Digital Compact Cassettes

MKR MODE — for selecting automatic or manual marker writing. (only functional for DCC cassettes)
In recording pause mode: for selecting the different markers to be recorded

MKR WRITE — for manual recording of various markers (only functional for DCC cassettes)

PLAY/SIDE ◄ ► — for starting playback and for changing the playback side of the tape

STOP/OFF ■ — to stop the tape transport.
in stop mode: to turn off the power
in power off mode: to start charging the battery

OPEN••••• — to open the cassette compartment

REC PAUSE — for selecting the recording pause mode by sliding this switch to the right.
(Only functional for DCC cassettes)

►►| — *in stop mode:* to advance the tape forward
during playback of DCC cassettes only: to skip to the next track.
If you press this button several times, the forward step increases by one music track for each depression of the button.
Only functional for DCC cassettes.

|◄◄ — *in stop mode:* to rewind the tape
during playback of DCC cassettes only: to skip to the start of the current track.
If you press this button several times, the backward step increases by one music track for each depression of the button.
Only functional for DCC cassettes.

English

Français

Español

Deutsch

Nederlands

Italiano

Português

Dansk

Svenska

Suomi

5

English

LEFT SIDE OF (illustration on page 4)

REV. MODE for selecting the reverse mode.
during recording:
⊐⊏ the tape stops at the end of each side.
⊃ recording of both cassette sides after which the tape stops at the end of the second side.
during playback:
⊃ playback of both cassette sides, after which the tape stops at the end of the second side.
⊂⊃ – continuous playback of both cassette sides.

DOLBY NR for switching the Dolby B Noise Reduction system on and off. Only functional when you are using a conventional analog compact cassette
Dolby Noise Reduction manufactured under license from Dolby Laboratories Licensing Corporation.
'DOLBY and the double D symbol ⊓⊓ are trademarks of Dolby Laboratories Licensing Corporation.

DBB Dynamic Bass Boost - to enhance the bass response via your headphones:
OFF DBB off (no bass boost)
MID low bass boost
MAX high bass boost
The DBB-effect decreases as you raise the volume.
The DBB-selector does not affect the output signal of the DIGITAL (OPTICAL)/-LINE OUT socket.

VOLUME for adjusting the volume of your headphones.
The VOLUME control does not affect the output signal of the DIGITAL (OPTICAL)/-LINE OUT socket.

PHONES/ REMOTE socket for supplied remote control with headphones.

RIGHT SIDE (illustration on page 4)

HOLD ⟶ when this switch is in the ⟶ position, the DCC player buttons are inoperative (the remote-control uttons can still be operated).

MIC/LINE selecting microphone level (L, H) or LINE input

REC MODE selecting the recording mode:
ALC automatic setting of suitable recording level
MANUAL for manual adjustment of recording level with REC LEVEL volume control.

REC LEVEL for adjusting the recording level. (not necessary when digital or optical input is selected)

DIGITAL/MIC LINE IN socket for connecting a recording source or microphone.
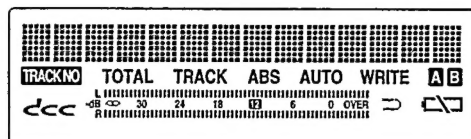
BACK SIDE (illustration on page 4)

DC IN 6 V socket for external power supply 6 V DC

DIGITAL (OPTICAL)/ LINE OUT connection socket for DCC reproduction through your stereo system.

COMPUTER Connection socket for interfacing with personal computers via the optional 'DCC-LINK'.

DISPLAY

DCC   lights up when a DCC cassette is loaded

TRACK NO.   indicates the current track number (only when using DCC cassettes)

TOTAL   lights up when the total time mode or total remaining time mode is selected (only when using DCC cassettes)

TRACK   lights up when the track time mode is selected (only when using DCC cassettes)

ABS   lights up when the absolute time mode is selected (only when using DCC cassettes)

AUTO   lights up when the automatic marker recording mode is selected. (only when using DCC cassettes)

WRITE   lights up when markers are written on the tape. (only when using DCC cassettes)

B   lights up during playback of side B of a DCC cassette and starts blinking during the search/skip mode on side B.

A   lights up during playback of side A of a DCC cassette and starts blinking during the search/skip mode on side A.

◁▽   starts blinking when the battery runs down.

Multi function Level Meter   – indicates the peak level. (only when using DCC cassettes) – indicates the winding direction and current position during search.

REMOTE CONTROL

This remote control to be connected to the headphone cord gives easy control of volume and track access.
The buttons on the remote control have the same function as the ones on the DCC player.

■ STOP/OFF

• to stop the tape transport
• *in stop mode:* to turn off the power
• *in power off mode:* to start charging the battery

◀ ▶ PLAY/SIDE

• for starting playback and for changing the playback side of the tape

F ▶▶|

• *in stop mode:* to advance the tape forward
• *during playback of DCC cassetes only:* to skip to the next track. If you press this button several times, the forward step increases by one music track for each depression of the button
Note: you can skip 99 tracks in forward direction. (for DCC cassettes)

|◀◀ R

• *in stop mode:* to rewind the tape
• *during playback of DCC cassetes only:* to skip to the start of the current track. If you press this button several times, the backward step increases by one music track for each depression of the button.
Note: you can skip 99 tracks in reverse direction. (for DCC cassettes)

HOLD button

This button can be used to switch the HOLD function of the remote control on and off.
This button acts independently from the HOLD switch on the DCC player.

REC P slider

This slider can be used to select the recording pause mode (RECP).
(Only when using DCC cassettes)

VOLUME control

Use this control to adjust the volume.
When you wish to adjust the volume via the remote control, set the volume control on the DCC recorder to position 5, 6 or 7.
Note: When adjusting the VOLUME on the remote control, the volume cannot be turned down completely.

POWER SUPPLY

The DCC player comes with a mains adapter and rechargeable battery. This makes your DCC player portable whenever possible, however, use the supplied mains adapter if you want to conserve battery life.

MAINS ADAPTER, TYPE SBC 6619

Use only the enclosed mains adapter, supplying 6 V DC with the pluspole ◈ to the center pin ◈ ─⊙─ ◈. Serious damage may occur if another adapter is used.

Make sure that the mains voltage of your mains adapter corresponds to the voltage of the country in which the DCC player is used. This should be borne in mind when you travel to another country.

The mains adapter SBC 6619 is supplied in several versions:

```
USA/CANADA............SBC 6619/47.......120 V, 60 Hz
EUROPE .....................SBC 6619/30.......220-230 V, 50 Hz
U.K.............................SBC 6619/35.......240 V, 50 Hz
AUSTRALIA/
NEW ZEALAND.........SBC 6619/40.......230-240 V, 50 Hz
OTHER COUNTRIES...SBC 6619/31.......120/230 V, 50/60 Hz
```

• To supply the DCC player from the mains connect the mains adapter to the 6 V DC socket and to the wall socket. The battery supply is then switched off. After use, always disconnect the adapter from the wall socket.

RECHARGEABLE BATTERY, TYPE SBC 6434

This battery pack (when charged) allows the DCC recorder to record/play for approximately 3 hours (for DCC cassettes). Recharge the battery as follows:

• Open the battery compartment and insert the battery in the DCC player.
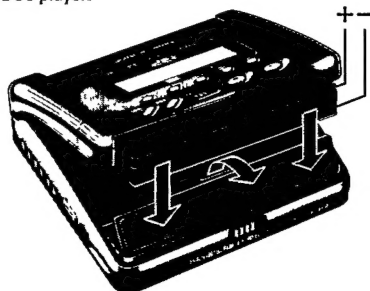
• Connect the mains adapter to the DCC player and to the wall socket as described before.
• Press STOP/OFF ■ in power off mode to start charging the battery. During charging the display will show:

> Charging

• When the battery is ready to use the indication 'Charging' will disappear from the display. Disconnect the adapter from the wall socket.
• After charging you can unplug the mains adapter and operate the DCC player with the charged battery.
• When taking out the battery, push the left edge of the battery:

Notes:
– When the battery is recharged while it is not completely exhausted, its recharging capacity is reduced. Therefore, it is recommended to recharge the battery only when it is completely exhausted.
– If the rechargeable battery is new or has not been used for a long period, it may need several charging cycles to become fully charged.
– When the battery is exhausted, the DCC player no longer functions and the battery indicator ⊏⊐ blinks. Recharge the battery.
– After having been recharged about 500 times, the battery pack can no longer provide the required power. You should take it to your dealer or dispose of it at the nearest used battery collection point. A new battery pack can be obtained from your dealer.

DIGITAL/MIC/LINE IN

- The DCC recorder can be connected to a recording source via a digital, optical or analog cable.

DIGITAL (COAXIAL/OPTICAL) connection

- Connect the supplied coaxial (SBC 1275) or an optional (SBC 1270) optical signal lead to the DIGITAL/MIC/LINE IN socket of your DCC player and to the corresponding output socket of the required recording source (e.g. DIG OUT/OPT OUT).
- In case of a digital/optical connection there is no need to adjust the recording level.

OPTICAL CABLE: SBC1270
OR
COAXIAL CABLE: SBC1275

OPTICAL OUT
COAXIAL OUT

Warnings

- The DCC recorder can not record the digital input when you are using the rechargeable battery. Make sure that during digital recording the DCC player is being powered via the mains adapter.
- Make sure to use the SBC 1275 cable for coaxial digital connection. When using another cable the connection may not work properly.

ANALOG connection

- Connect a signal lead to the DIGITAL/MIC/LINE IN socket of your DCC recorder and to the corresponding output socket of the recording source (e.g. LINE OUT).
- The input signal is automatically changed to analog.
- Slide the MIC/LINE switch to the LINE position, set the REC MODE switch and adjust the recording level. (see also chapter RECORDING).


LINE OUT
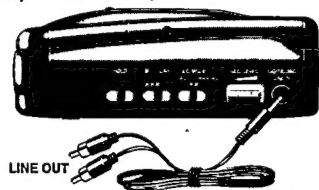
MICROPHONE input

- Connect the microphones to the DIGITAL/MIC/LINE IN socket of your DCC recorder.
- The input signal is automatically changed to analog.
- Slide the MIC/LINE switch to the MIC-L or MIC-H position, set the REC MODE switch and adjust the recording level. (see also chapter RECORDING).

DIGITAL (OPTICAL)/LINE OUT

DIGITAL (OPTICAL) connection

- For DCC reproduction through a high-quality stereo system with an optical digital socket, use an optional (SBC 1270) optical signal lead to connect the socket DIGITAL (OPTICAL)/LINE OUT to the input socket OPTICAL DIGITAL IN of the other set.

ANALOG connection

- For DCC reproduction at home through your stereo system (amplifier, receiver, recorder, etc.), use the supplied signal lead to connect the socket DIGITAL (OPTICAL)/LINE OUT to the input sockets LINE IN, AUX or DCC IN of the other set.
- Adjust the sound with the controls of the stereo system. The VOLUME control and the DBB selector of the DCC player do not affect the output signal of the LINE OUT socket.

LINE IN / AUX / DCC IN / TAPE IN
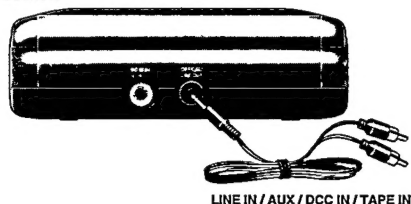
PHONES/REMOTE

- When you are using the remote control, connect it to this socket. The plug of the in-ear phones SBC 3179 can then be inserted in the PHONES socket of the remote control.
- When you are not using the remote control, you can connect the in-ear phones directly to the PHONES/REMOTE socket of the DCC player.

COMPUTER connection

- When you have the optional MultiMedia upgrade kit, connect the 'DCC-LINK' to the computer socket of the DCC175.
- Connect the other side of the 'DCC-LINK' to the parallel port of your personal computer.
- Read the instruction manuals of 'DCC-BACKUP' and 'DCC-STUDIO' for installation of the software on your PC.

POWER ON/OFF

• The DCC player can be turned on by pushing one of the following buttons:PLAY/SIDE ◀ ▶, �◀◀, ▶▶▮, REC PAUSE on the player or on the remote control.
The DCC player is activated and enters the mode of the button that was pushed.
*Note:* If no tape is loaded the set will not be activated.

• The DCC player will be switched off:
  − when you push the STOP/OFF ▮ button again while the player already was in the stop mode.
  − when you fail to push any operating button within 3 minutes after the DCC player has entered the stop mode.

The following information will be kept in the memory: present track number, time information and the tape travel direction.
− The memory will be cleared when you take out the cassette.
− The DCC player will also be switched off when you open the cassette compartment with the OPEN switch.

HOLD

• When carrying the player with you, you can slide the HOLD switch to the ON position. The DCC player buttons are then inoperative (not the remote control buttons). The playing of a cassette will now not be interrupted when a button is accidentally touched.
• When the DCC operating buttons are pressed while the HOLD switch is in position ON, the following information will blink (3x) on the display:
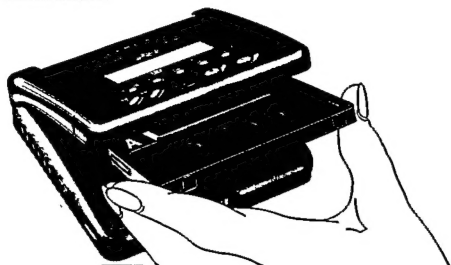
```
Set is on Hold
dcc ◄━━━━━━━▶  • ovs
```
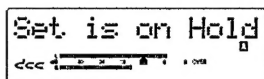
Then, the display will go back to showing the previous information.

LOADING A CASSETTE

• Open the cassette compartment with the OPEN switch.
• Insert a DCC cassette with the label side up and the protective slider pointed to the compartment.
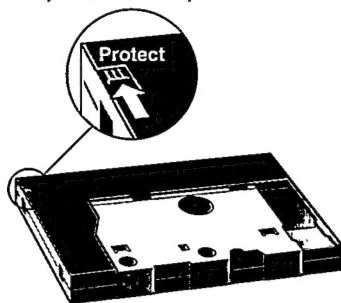

• When using a conventional analog cassette, insert it as shown below.

• Close the cassette compartment.

PROTECTING A CASSETTE AGAINST RECORDING

Accidental erasure of recordings made on your DCC cassettes can be prevented by sliding the red switch on the back of your cassette upward as shown below. No recording will then be possible on this tape.
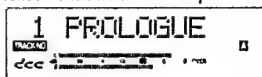
PLAYBACK

PLAYING A DCC CASSETTE

- Make sure the HOLD function is switched OFF, otherwise the DCC player buttons will not operate.

1. Connect the (remote and the) in-ear phones to the PHONES/REMOTE socket.

2. Open the cassette compartment with the OPEN switch.

3. Insert a cassette and close the compartment.

4. Adjust the volume using the VOLUME control and the bass sound using the DBB selector.

5. Start playback by pressing PLAY/SIDE ◄ ►.

   As soon as playback starts, the display shows the corresponding track number and the absolute elapsed time (the time which has elapsed from the start of the tape until the present playback position).

   ```
    1    2:15  Play
         ᴬᴮˢ
   dcc ▪▪▪▪▪▪▪▪▪▪▪  ⚫  ▭
   ```
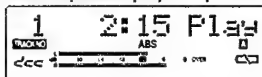
   In case you are using a prerecorded DCC cassette, the display will automatically show the track title after the text information on the tape has been read.

   ```
    1  PROLOGUE       ▭
   dcc ▪▪▪▪▪▪▪▪▪▪▪  ⚫
   ```

   Side A and B of the cassette will be played back continuously (up to a maximum of 12 cassette sides).

6. To stop playback, press STOP/OFF ■.

- The DCC player also stops:
  - when the cassette compartment is opened.
  - if the battery runs down or if the power supply is interrupted in another way.
  - when the player has played back 12 cassette sides of the same cassette (when reverse mode ⊂⊃ is selected).

- Open the cassette compartment only when the DCC player is in the STOP position.
- To switch off the DCC player immediately, press STOP/OFF ■ a second time.
- In the STOP position, the DCC player shuts down automatically 3 minutes after the last command.

Remarks:
- If the battery has run down, the DCC player will not function normally. For example, it will not start. Recharge the battery or use the mains adapter.

PLAYING AN ANALOG CASSETTE

- If you want to playback an analog cassette, follow the instructions as described for DCC cassettes.
  The player distinguishes metal/High Position tapes and normal tapes automatically.
  Use the DOLBY NR selector to switch the Dolby Noise Reduction System on or off.
  As soon as playback starts, the display will show the tape counter. The level meter will not be indicated on the display.

  ```
   Fwd  3104   Play
  ```

OPERATION FEEDBACK VIA HEADPHONES

When you are pressing a button or when the unit is performing an operation, a beep tone will be heard to let you know which operation is being performed:

Operation	Beep tone pattern
Side A (Fwd) starts recording/playback	−
Side B (Rev) starts recording/playback	− −
Stop	—
Power off	− − − −
Fast forward wind	−
Fast rewind	− −
Next track search (during winding)	− − , − − ...
Previous track search (during winding)	− − − , − − −, ...

− = short high tone
− = short low tone
— = long low tone

SEARCH

English

The ◄◄ and ►►◄ buttons can be used to search for a passage or a particular track on the tape.
Only functional for DCC cassettes.

PREVIOUS/NEXT TRACK SEARCH

(Only when using DCC cassettes)

- When you use the ◄◄◄ and ►►◄ buttons during playback, you can search for a particular track on the tape.
- Press ◄◄◄ to search for the beginning of the current track.
- Press ►►◄ to search for a track next to the current track.
- If you press these buttons several times, the forward or backward step increases by one music track for each depression of the buttons.
- When the deck reaches the selected track playback will be continued automatically.
  Note: During the search, the audio signal will be muted.

- In case you are using a DCC cassette the tracks on the tape are recognized by the player each time a next start marker is detected

- When the end of side B is reached during next track search (►►◄), the player will enter the Stop mode.
- When the beginning of side A is reached during previous track search (◄◄◄), the player will also enter the Stop mode.

During next track search the display will show for instance:

```
 2   7:04 To 5
dcc ═   ═══ ═  ·D·
```
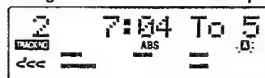
- When you are using a user-recorded DCC cassette, the display will show the forward or backward steps.

TITLE SEARCH

If you have selected the text mode (with the TEXT button), the title of the selected track (up to 24 tracks) will be shown on the display during previous or next track search.

Note: Title search is only functional when you are using prerecorded DCC cassettes.

SEARCHING FOR A PASSAGE

- When you use the ◄◄◄ and ►►◄ buttons while the player is in the stop mode, you can search for a passage on the tape.
- Press ►►◄ to search in the tape travel direction (forward).
- Press ◄◄◄ to search in the opposite direction in which the tape is travelling (backward).
- The winding will continue untill you press PLAY/SIDE ◄ ► or STOP/OFF ■.

During search the display will show for instance:

```
 3  11:32  >>
dcc ═   ═══ ═  ·D·
```

REVERSING THE PLAYING DIRECTION

- You can reverse the tape travel direction by pressing PLAY/SIDE ◄ ► during playback.
  The selected side for DCC cassettes is indicated on the display as A or B.
  The selected side for conventional cassettes is indicated on the display as FWD or REV.
- When you press this button, the playing direction will be reversed and playback will be continued on the other side of the tape.

Notes:
During search the meter indicates the tape running direction and the position on the current tape side.
- The upper meter indicates the tape running direction.
    Forward:'–' will be moving from left to right.
    Backward: '–' will be moving from right to left.
- The lower meter indicates the approximate position of the current tape side (in six steps)
    Beginning: '–' is shown at the left end of the display
    End: '–' is shown at the right end of the display

Remark: for some analog cassettes, the meter is not able to indicate the correct tape position.

TEXT/TIME INFORMATION
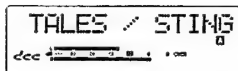
DISPLAYING TEXT INFORMATION

The TEXT button is only functional when you are using prerecorded DCC cassettes.
The TEXT function calls up information from the DCC cassette to be shown on the display.

• When you press the TEXT button, the track number and the title of the current track will be displayed. Then the total title of this track will once scroll on the display from right to left.
• If you now shortly press the TEXT button, the album title and the name of the artist will once be scrolled on the display. Then the display will show the previous information again.
• If you press the TEXT button for more than 0.5 seconds the total track title will once be scrolled on the display from right to left. Then the display will show the previous information again.
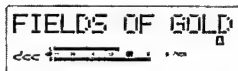
track number + title:

```
3 FIELDS OF
dcc
```

short push
album title + artist:

```
TALES / STING
dcc
```

long push
track title:

```
FIELDS OF GOLD
dcc
```
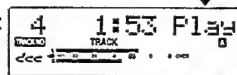
DISPLAYING TIME INFORMATION

Normally the display shows the absolute elapsed playing time.

• When you press the TIME button the display will show the elapsed playing time of the current track.
• Press the TIME button again to display the remaining time on the tape.
• Press the TIME button again to display the total time.
• Press the TIME button once more if you wish to indicate the absolute elapsed playing time again.

Absolute time:

```
4  15:16 Play
dcc  ASS
```
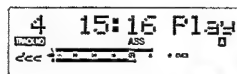
Elapsed track time:

```
4   1:53 Play
dcc  TRACK
```

Remaining time:
(prerecorded DCC cassettes only)

```
-27:52 Play
dcc  TOTAL
```
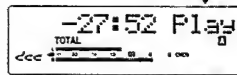
Total time:
(prerecorded DCC cassettes only)

```
12  43:08 Play
dcc  TOTAL
```
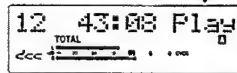
Calling up time information is not possible when conventional cassettes are used. In this case the display will always show the counter setting.

COUNTER

When you press the COUNTER button the display will show the counter setting.
By pressing the COUNTER button again the tape counter will be set to 0000.

Note: When the backside of the tape is being played, the tape counter will count down.

13

CONNECTION TO THE RECORDING SOURCE

• Connect your DCC recorder to the desired recording source as described in the chapter CONNECTIONS (page 9)

BEFORE STARTING A RECORDING

Before you start a recording make sure that the following switches are set to the correct position:

• REV MODE

⊐ if you want to record on only one side (A or B) of the cassette.

⊃ if you want to record on side A and B of the cassette (autoreverse).

Note: when you are using the autoreverse function, the recording time may be shorter that the time indicated on the tape.

• MIC/LINE

MIC If you wish to record with the microphone you normally set the switch to the MIC-H position. In case you are recording a loud source, the sound may be distorted. Set the switch to the MIC-L position. The input signal will then be attenuated by 20dB.

LINE If you wish to record from an analog input source (LINE connection)

Note: Do not change this switch during recording.

• REC MODE

With this switch you can select the recording mode when recording from the analog input

ALC The player sets the suitable recording level automatically.

MANUAL Allows you to set the recording level yourself as described below.

• ADJUSTING THE RECORDING LEVEL

Only necessary when you wish to record from the analog (MIC/LINE) input.

• Insert a cassette and slide the REC MODE switch to MANUAL.

• Slide the REC PAUSE switch to the right. The player enters the recording pause mode.

• Allow the recording source to play and adjust the level with the REC LEVEL volume knob. A level of -12dB is recommended. If the level exceeds the 0dB, OVER will be indicated and the recorded signal will be distorted.
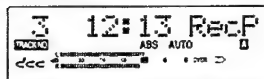
STARTING A RECORDING

1. Open the cassette compartment and insert a blank DCC cassette.

2. Close the cassette compartment.

3. Press the I◄◄ key.

   The DCC player will be turned on automatically and will rewind to the beginning of the tape.

Notes:
− In order to ensure correct recording of absolute time it is recommended always to perform the rewind action (I◄◄) even when using new cassettes.
− Do not operate the DCC recorder until the rewinding is completed and it has stoppped.

4. Slide the REC PAUSE switch to the right.

   The unit will now record a LEAD IN area and the display shows the input source and the sampling frequency.
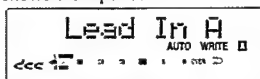
   Then the recording pause mode will be entered (The indicator above the REC PAUSE switch will start flashing)
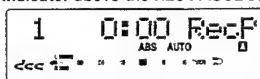
Notes:
− A LEAD IN area is a buffer area at the beginning of the tape side which guarantees optimum tape-recording conditions.
− If you wish to start recording on side B, first select side B with the PLAY/SIDE key and then press I◄◄ to write a LEAD IN area at the beginning of side B.
− The sampling frequency is changed automatically depending on the digital signal input. In case of analog (mic or line) input, 44.1 kHz is selected as the sampling frequency.
− When you slide the REC PAUSE switch to the right while in recording pause mode, the display will again show the input source and the sampling frequency.

5. Press the PLAY/SIDE ◄ ► key to start the recording.

   During recording the indicator above the REC PAUSE switch will light up.

6. To interrupt the recording slide the REC PAUSE switch to the right.

   The set enters the recording pause mode and the indicator above the REC PAUSE switch will start flashing. Press the PLAY/SIDE key ◄ ► to continue the recording

7. Press the STOP/OFF ■ key to stop the recording.

   The set will write a marker on the tape to indicate the end of the recording and then enters the stop mode. This may take a few seconds.
   Caution: make sure that the stop mode is entered before opening the cassette compartment.
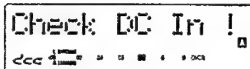
Note: Automatic start marker recording is selected automatically. If you wish to record start markers manually, change the mode before starting a recording (see page 17).

RECORDING

DISPLAY MESSAGES

```
Check Input !
dcc ◁▭· · ▪ ▪ · ·◁◁
```
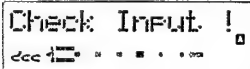
The plug for the DIGITAL/MIC/LINE in socket is not inserted correctly or there is no digital input signal.
Check the connections. (see page 9)

```
Check DC In !
dcc ◁▭· · ▪ ▪ · ·◁◁
```
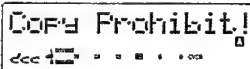
The DCC recorder can not record the digital input when you are using the rechargeable battery.
Connect the mains adapter. (see page 8)

```
Rec Protected!
dcc ◁▭· · ▪ ▪ · ·◁◁
```

The recording is protected by the slider switch on the back of the cassette.
Slide the switch to the other position (see page 10)

```
Copy Prohibit!
dcc ◁▭· · ▪ ▪ · ·◁◁
```

Digital recording is prohibited according to SCMS.
Record the source via the analog (LINE) connection.

ABOUT SCMS

The DCC recorder operates with a Serial Copy Management system, which includes that a fully digital copy can be made from Prerecorded digital material but only directly from the original material. e.g. You can make a digital recording from a CD to your DCC recorder via the digital connections.
However, it is not possible to make a digital copy of this recorded DCC cassette to another DCC recorder. When you want to copy this cassette from on DCC recorder to another you can only do this via the analog connections.
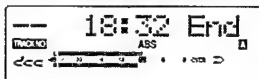
RECORDING ON A SPECIFIC LOCATION OF A RECORDED DCC

To obtain correct track and time information (in order to be able to check the location of the tape and to search for a desired track), it is required to record the absolute time continuously. If the cassette contains an incorrect recorded part (or when recording is started at a position where absolute time is not known) it is not possible to record the absolute time after that position.
In order to avoid incorrect areas, make sure to perform following steps when recording on a specific location on the tape.

A. CONTINUOUS RECORDING AFTER A PREVIOUSLY RECORDED LOCATION
1. Insert the recorded cassette.
2. Start playback at a position shortly before the end of the recorded part on the tape.
3. Press STOP/OFF ■ when the display is showing the END indication as shown below:

```
-- 18:32 End
TRACK      ABS
dcc ◁▭▪▪▪▪▪◁· · ·◁◁ ⊃
```

4. Follow the procedure as described before to start recording (from point 4. onward).

B. OVERWRITING FROM A SPECIFIC LOCATION
1. Insert the recorded cassette.
2. Search for the specific location on the tape with the playback and/or skip functions.
3. Check whether the display shows the ABS indication and whether the correct track number and absolute time is indicated.
4. Follow the procedure as described before to start recording (from point 4. onward).

Notes
- If the time mode is different, change it to ABS time mode (see page 13)
- A track number is recorded only at the beginning of the tracks.
- In case the display is not showing the track number although it is showing the absolute time, try to go back to the beginning of a previous track and start playback.
- When recording is started while the display is not showing the track number, no track number recording is possible for following tracks.
- When recording is started while the display is not showing the absolute time, no absolute time recording is possible for following tracks.
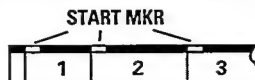
MARKERS

Markers are special written signals on the DCC tape, marking certain positions on the tape. The DCC recorder uses these marked positions to make operation easier. You can write these markers yourself with the DCC recorder.
There are two ways of recording markers: AUTO and MANUAL
The main markers that can be recorded by the DCC recorder are:

| Name	Function	recorded by the DCC recorder	
		AUTO	MANUAL

START MKR — Marks the beginning of each track on the tape.
Skip search operates upon detection of these markers.

AUTO: YES ... MANUAL: YES

START MKR

| 1 | 2 | 3 |

REVERSE MKR — A reverse marker marks the end of the last recording on side A of the tape.
When a reverse marker is detected during playback, the DCC recorder will immediately change to side B at the current position after which playback will be continued (it is not possible to record a reverse marker at side B).

AUTO: YES (recorded by ⊃ mode) ... MANUAL: YES

REVERSE MKR

A | 1 | 2 | 3 |
B | 6 | 5 | 4 |
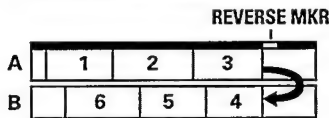
NEXT MKR — A next marker marks the end of the last recording on side A or B of the tape.
When a next marker is detected during playback, the DCC recorder will automatically wind to the beginning of the next side after which playback will be continued.

AUTO: NO ... MANUAL: YES

NEXT MKR

A | 1 | 2 | 3 | >> >> >> >> |
B | 3 | 2 | 1 |
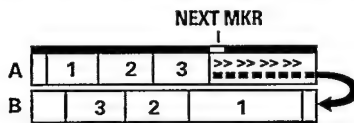
END MKR — An end marker indicates the end of the recording.
When an end marker is detected during playback, the DCC recorder will show the 'End' marker indication on the display (see page 15).

AUTO: YES (recorded, always stop recording) ... MANUAL: NO

END MKR

| 1 | 2 | |
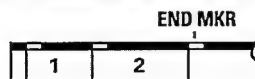
SKIP MKR — A skip marker indicates an area that will be skipped during playback.
When a skip marker is detected during playback, the DCC recorder will start winding the tape until the next start marker is dectected, after which playback will be continued.

AUTO: NO ... MANUAL: NO

SKIP MKR START MKR

| 1 | >>>> | 2 | 3 |

NOTE
– No markers can be recorded on pre-recorded DCC cassettes.
– The DCC recorder can not record a skip marker.

RECORDING OF MARKERS

Recording of most markers can be done automatically or manually.

• You can select the AUTO or MANUAL mode for recording start markers by pressing the MKR MODE key.
  (not possible in recording pause mode).
  – When the AUTO indication lights up on the display, the automatic marker write mode is selected.
 – When the AUTO indication does not light up on the display, the markers can be recorded manually.

Note: When the microphone input is selected, it is not possible to perform automatic marker recording (only manual).

RECORDING A START MARKER

AUTOMATIC RECORDING OF START MARKERS
This mode is recommended when you are recording from a CD or DCC source.

• Select AUTO by pressing the MKR MODE key.
  The indication **AUTO** lights up on the display.

```
  1    2:48 Stop
  ▭        ABS  AUTO    ▯
  dcc ◁▭▭ ▪ ▪ ▪ ■ ▪ ▪ ▭ ▭▷
```
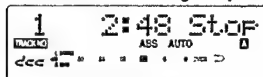
– When you are recording via the digital/optical connection, the input signal automatically transmits information about the start of a new track to the DCC recorder. Start markers will then be recorded automatically.

Caution: Start markers may not be recorded correctly when random playback has been selected on your CD player.

– When you are recording via the analog (LINE) connection, a start marker will be written each time a silent passage of more than three seconds is detected.

Caution: In some cases a very faint passage in a piece of music can be picked up by your DCC as a silent passage and a start marker will be written.

MANUAL RECORDING OF START MARKERS
• Press the MKR MODE key until **AUTO** no longer lights up on the display.

Start markers can now be recorded manually by pressing the MKR WRITE key at the desired positions on the tape.

The marker will be recorded (WRITE lights up on the display) and the tracknumber will be increased by one each time a new marker is recorded.

```
  5    18:36 Rec.
  ▭        ABS  AUTO  WRITE ▯
  dcc ◁▭▭ ▪ ▪ ▪ ▪ ■ ▪ ▪ ▭ ▷
```
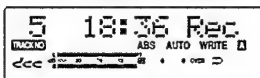
Note: Even when automatic start marker recording has been selected, you can manually add start markers. Press MKR WRITE at the desired position to record an additional start marker. This is useful when you want to mark a certain position on the tape (convenient search).

RECORDING A REVERSE MARKER

AUTOMATIC RECORDING OF A REVERSE MARKER

• Slide the REV MODE switch to position: ⊃. The selected reverse mode will be shown on the display when the recording pause mode is selected.

```
1    0:00 RecP
         ABS  AUTO    B
ccc ⁞⁞⁞⁞ ⁞ ⁞ ■ ■ ⁞ ⁞∞ ⊃
```

• During recording of side A the DCC recorder will write a reverse marker before the end of side A. The tape will be reversed automatically and recording will be continued on side B. The tracknumber will be increased by one.

```
Reverse to B
         ⁞⁞⁞⁞
ccc ⁞⁞⁞⁞ ⁞ ⁞ ■ ■ ⁞ ⁞∞
```
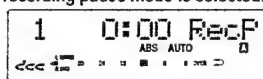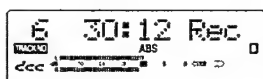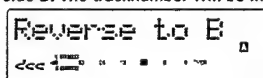
```
6    30:12 Rec
         ABS           B
ccc ⁞⁞⁞⁞ ⁞ ⁞ ■ ■ ⁞ ⁞∞ ⊃
```

Caution: The DCC recorder reverses the tape direction before the end of side A upon detection of remaining space on the tape. In case the DCC recorder can not detect this remaining space, recording will be continued until the end of side A. Then the direction will be reversed, a LEAD IN area will be written and recording on side B will start with track number 1.

MANUAL RECORDING OF A REVERSE MARKER

1. Select the recording pause mode (by sliding the REC PAUSE switch to the right) at the position on side A where you want to write a reverse marker.
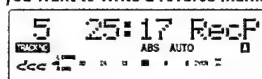
```
5    25:17 RecP
         ABS  AUTO    B
ccc ⁞⁞⁞⁞ ⁞ ⁞ ■ ■ ⁞ ⁞∞ ⁞
```

2. Press the MKR MODE key once.
   The display will show:

```
Reverse MKR ?
               WRITE B
ccc ⁞⁞⁞⁞ ⁞ ⁞ ■ ■ ⁞ ⁞∞ ⁞
```
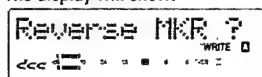
3. Press the MKR WRITE key.
   The DCC recorder will now write a reverse marker and reverse to side B.

```
Reverse MKR
            AUTO WRITE B
ccc ⁞⁞⁞⁞ ⁞ ⁞ ■ ■ ⁞ ⁞∞ ⁞
```

```
Reverse to B
                      B
ccc ⁞⁞⁞⁞ ⁞ ⁞ ■ ■ ⁞ ⁞∞ ⁞
```

The recording pause mode will be entered again. The display will show:

```
6    25:18 RecP
         ABS  AUTO    B
ccc ⁞⁞⁞⁞ ⁞ ⁞ ■ ■ ⁞ ⁞∞ ⁞
```

4. Press the PLAY/SIDE ◀ ▶ key to continue recording on side B

Note: Manual recording of a reverse marker acts regardless of the position of the REV MODE switch. Even when the REV MODE switch is set to position ⁼⁼ ,the above procedure remains unchanged.

RECORDING A NEXT MARKER

RECORDING A NEXT MARKER ON SIDE A

1. Select the recording pause mode (by sliding the REC PAUSE switch to the right) at the position on side A where you want to write a next marker.

```
  5  25:17 RecP
          ABS AUTO   □
<<< ⌐·  ·  ·  ■  ·  · ⊙▣ ⊒
```

2. Press the MKR MODE key twice. The display will show:

```
   Next MKR ?
                 :WRITE: □
<<< ⌐·  ·  ·  ■  ·  · ⊙▣ ⊒
```

3. Press the MKR WRITE key. The DCC recorder will now write a next marker and wind to the end of side A.

```
   Next MKR
              AUTO WRITE □
<<< ⌐·  ·  ·  ■  ·  · ⊙▣ ⊒
```

```
   Skip to B
              AUTO     □
<<< ⌐·  ·  ·  ■  ·  · ⊙▣ ⊒
```
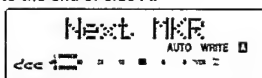
Then the tape will be reversed to side B and a LEAD IN area will be written. The recording pause mode will be entered again.

```
  Lead In B
             AUTO WRITE □
<<< ⌐·  ·  ·  ■  ·  · ⊙▣ ⊒
```

```
  1   0:00 RecP
          ABS AUTO   □
<<< ⌐·  ·  ·  ■  ·  · ⊙▣ ⊒
```
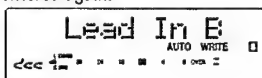
4. Press the PLAY/SIDE ◄ ► key to continue recording on side B

Note: Recording of a next marker acts regardless of the position of the REV MODE switch. Even when the REV MODE switch is set to position ⇄ ,the above procedure remains unchanged.
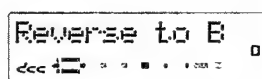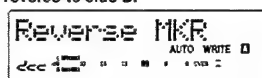
RECORDING A NEXT MARKER ON SIDE B

1. Select the recording pause mode (by sliding the REC PAUSE switch to the right) at the position on side B where you want to write a NEXT marker.
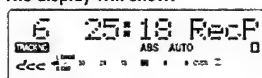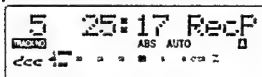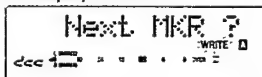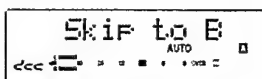
2. Press the MKR MODE key once. The display will show:

```
   Next MKR ?
                 :WRITE: □
<<< ⌐·  ·  ·  ■  ·  · ⊙▣ ⊒
```
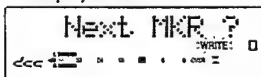
3. Press the MKR WRITE key. The DCC recorder will now write a next marker, wind to the end of side B and stop.

OVERWRITING SIDE B

In case you wish to overwrite side B after writing a reverse or next marker on side A, please note the following:

• Before entering the recording pause mode at the position where you want to write a reverse or next marker, make sure that the display is showing the track number and absolute time.
If this information is not shown, the recording will be continued without recording of the correct track and/or absolute time information.
(see also page 15 'Recording on a specific location of a recorded DCC').

• In case you are overwriting a recorded DCC which already contains a reverse or next marker, make sure to write the new marker at the same position or before the position of the old marker. If this is not done, the new marker will not work correctly.

TROUBLESHOOTING

If a fault occurs, first check the points listed below before taking the apparatus for repair
If you are unable to remedy a problem by following these hints, consult your dealer or service centre

WARNING

Under no circumstances should you try the apparatus yourself, as this would invalidate the guarantee

SYMPTOM	POSSIBLE CAUSE	REMEDY
BOTH DCC AND ANALOG CASSETTES		
No recharging	– Mains adapter is not properly connected	• Connect the mains adapter properly
No operation	– The unit is still in the HOLD mode	• Switch the HOLD mode off
	– Mains adapter is not properly connected	• Connect the mains adapter properly
	– The rechargeable battery has run down	• Recharge the battery
Intermittent playback sound	– The head section is dirty	• Clean the head section
DCC CASSETTES		
Distorted signal	– Recording was made with too high peak level (OVERLOAD)	• Make a new recording with lower peak level
Track number or elapsed play time is not displayed correctly	– The cassette has been loaded in the middle of one of the tracks	• Rewind the tape to the start of the track and start playback
No track number indication	– Recording has been started while track and time information was not known	• You may consider to re-record the tape
ANALOG CASSETTES		
Poor sound quality	– Dolby NR has not been set correctly	• Set Dolby NR to the correct position

DISPLAY MESSAGES

```
No Text Info
```
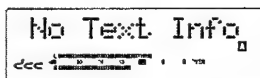
– This indicates that the DCC tape does not contain text information. The display will go back to showing the previous information.

```
Press Play-key
```
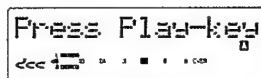
– TEXT information cannot be read when the player is in the stop mode. Press the PLAY/SIDE ◄ ► key to start play-back.

MAINTENANCE

MAINTENANCE

- Do not leave the unit for any length of time in direct sunlight or other places where high temperatures can occur, such as in the vicinity of heating apparatus.
- Do not expose the equipment to humidity or rain.
- A chamois leather cloth slightly moistened with water is sufficient for cleaning the player.
- Do not use cleaning agents containing alcohol, spirits, ammonia or abrasives.

CLEANING THE TAPE HEAD

- In principle there is no need to clean the head of your DCC player when you use only DCC cassettes.
  The use of conventional compact cassettes of inferior quality may leave dirt on the DCC head. This can affect the sound quality of DCC cassettes (sound is being interrupted).
- It is strongly advised not to use cleaning cassettes.

To ensure a good recording and playback quality, clean the indicated parts Ⓐ Ⓑ Ⓒ as soon as you notice a loss in sound quality during playback, and also before you make a recording.

- Open the cassette holder using OPEN.
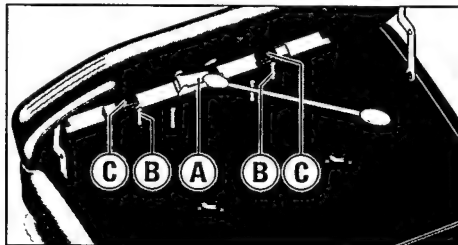- Use a cotton bud slightly moistened with alcohol or a special head cleaning fluid and clean the rubber pressure rollers Ⓒ, the capstans Ⓑ and the tape head Ⓐ.

GENERAL INFORMATION

USE YOUR HEAD WHEN USING HEADPHONES

Hearing safety
- Do not play your headphones at a high volume. Hearing experts advise that continuous use at high volume can permanently damage hearing.

Traffic safety
- Do not use headphones while driving a vehicle. It may create a traffic hazard and it is illegal in many countries. Even if your headphones are open-air type designed to let you hear outside sounds, do not turn up the volume so high that you cannot hear what is going on around you.

CARRYING CASE

The carrying case can be fixed to a belt.
To prevent the DCC player from falling out make sure that the open side is faced up.

RADIO INTERFERENCE SUPPRESSION

This DCC player complies with the radio interference requirements as laid down in European Community regulations.

ENVIRONMENTAL NOTES

Please observe the local regulations regarding the disposal of packing materials, exhausted batteries and old equipment.

- All redundant packaging material has been omitted. We have done our utmost to make the packaging easy separable into three mono-materials:
  - cardboard (box)
  - expandable polystyrene (buffer)
  - polyethylene (bags, protective foam sheet)
- Your set consists of materials which can be recycled if disassembled by a specialized company.
- Do not dispose of exhausted batteries with your household waste.

English

DIGITAL SIGNAL FORMAT

- Tape recording system .... Digital Compact Cassette
- Sampling frequencies .... 48 kHz, 44.1 kHz, 32 kHz
  (selected automatically)
- Coding format .... PASC
- No. of channels .... 2 channel stereo

AUDIO PERFORMANCE

DCC

- Frequency response
  fs:44.1 kHz .... 20 Hz -20 kHz +0.5/-1.5 dB
  fs:48 kHz .... 20 Hz - 22 kHz +0.5/-1.5 dB
  fs:32 kHz .... 20 Hz - 14.5 kHz +0.5/-1.5 dB
- S/N ratio .... > 92 dB
- Dynamic range .... > 108 dB
- Wow and flutter .... Quartz crystal precision

Compact cassette

- Track format: .... 4 track 2 channel stereo
- Frequency range .... 20 Hz - 18 kHz
- S/N ratio (CrO₂) .... > 50 dB

TERMINALS

- DIGITAL (OPTICAL)/LINE .... 3.5 mm jack
  Output
  digital output .... optical
  line output level .... 1.0 V (20 kOhm)

- PHONES/REMOTE .... 3.5 mm jack
  Output
  max. output power .... 10 mW + 10 mW (16 Ohm)

- DIGITAL/MIC/LINE .... 3.5 mm jack
  Input
  digital input .... optical/coaxial
  stereo microphone input:

- DATA I/O interface connector

POWER REQUIREMENTS

- Battery .... Ni-Cd rechargeable battery:
  Recording time .... approx. 3 hours
  Playback time .... approx. 3 hours
  Recharging time .... approx. 3 hours
- External .... mains adapter

- USA/Canada .... SBC 6619/47 - 120 V, 60 Hz
- Europe .... SBC 6619/30 - 220-230 V, 50 Hz
- U.K. .... SBC 6619/35 - 240 V, 50 Hz
- Australia/New Zealand .. SBC 6619/40 - 230-240 V, 50 Hz
- Other countries .... SBC 6619/31 - 120/230 V, 50/60 Hz

MECHANISM

- Head .... 36 channel thin-film head
- Motor .... Brushless motor
- Tape speed .... 4,76 cm/sec.

GENERAL

- Dimensions (w x h x d) .... 111.6 x 38.1 x 99.8 mm
- Weight (incl. rechargeable battery) .... 420 g

SUPPLIED ACCESSORIES

- In-ear phones .... SBC 3179
- Remote control .... SBC 6270
- Rechargeable battery .... SBC 6434
- Coaxial digital audio cable .... SBC 1275
- Mains adapter .... SBC 6619
- Hifi connection cable..................................SBC 1059
- Carrying case

AVAILABLE ACCESSORIES

- MultiMedia upgrade kit, containing 'DCC-LINK', 'DCC-STUDIO'
  diskette and 'DCC-BACKUP' diskette. ... . PCA 10 DC
- Additional rechargeable battery .... SBC 6434
- Optical digital audio cable .... SBC 1270

These specifications are subject to change without notice

(AUS) Australia

Guarantee and Service valid for Australia

The benefits given to the purchaser by this warranty are in addition to all other rights and remedies, which, under the Trade Practices Act or other Commonwealth or State law, the purchaser or owner has in respect of the product.

The Philips product carries the following warranties:
– C-series HiFi-systems 12 months.
– Compact Disc Players: 12 months.
– Home Audio Systems: 6 months.
– Clock radios, portable radios, cassette recorders, cassette players and radio recorders: 90 days.

Any defect in materials or workmanship occurring within the specified period from the date of delivery, will be rectified free of charge by the retailer from whom this product was purchased.

Note: Please retain your purchase docket to assist prompt service.
Conditions of this warranty
1. All claims for warranty service must be made to the retailer from whom this product was purchased. All transport charges incurred in connection with warranty service or replacement will be paid by the purchaser.
2. These warranties do not cover batteries and extend only to defects in materials or workmanship occurring under normal use of the product where operated in accordance with our instructions.

Philips
Consumer Products Division
Technology Park
Figtree Drive, Australia Centre
Homebush 2140
New South Wales

(NZ) New Zealand

Guarantee and Service for New Zealand

Thank-you for purchasing this quality Philips product.
Philips New Zealand Ltd guarantees this product against defective components and faulty workmanship for a period of 12 months. Any defect in materials or workmanship occurring within 12 months from the date of purchase subject to the following conditions will be rectified free of charge by the retailer from whom this product was purchased.

Conditions
1. The product must have been purchased in New Zealand. As proof of purchase, retain the original sales docket indicating the date of purchase.
2. The guarantee applies only to faults caused by defective components, or faulty workmanship on the part of the manufacturer.
3. The guarantee does not cover failures caused by misuse, neglect, normal wear and tear, accidental breakage, use on the incorrect voltage, use contrary to operating instructions, or unauthorised modification to the product or repair by an unauthorised technician.
4. Reasonable evidence (in the form of a sales docket) must be supplied to indicate that the product was purchased no more than 12 months prior to the date of your claim.
5. In the event of a failure, Philips shall be under no liability for any injury, or any loss or damage caused to property or products other than the product under guarantee.

This guarantee does not prejudice your rights under common law and statute, and is in addition to the normal responsibilities of the retailer and Philips.

How to claim
Should your Philips product fail within the guarantee period, please return it to the retailer from whom it was purchased. In most cases the retailer will be able to satisfactorily repair or replace the product.
However, should the retailer not be able to conclude the matter satisfactorily, or if you have other difficulties claiming under this guarantee, please contact

The Guarantee Controller
Philips New Zealand Ltd.
✉ **P.O. Box 41.021**
Auckland
     ☎ **(09) 84 94 160**
   fax ☎ **(09) 84 97 858**

ⓂⒺⓍ México　　　ⓃⓄⓂ ⒷⓇ Brasil

Garantía para México

Este aparato está fabricado con materiales de alta calidad y ha sido cuidadosamente verificado. Philips, por lo tanto, da a usted una garantía de 12 meses a partir de su fecha de compra.

La garantiá ampara la reposición de las piezas defectuosas debidas a fallas en su montaje o en los materiales, incluyendo la mano de obra necesaria para su reemplazo en nuestras Sucursales o talleres autorizados.

En caso de fallas en su aparato le rogamos se sirva poner en contacto con su distribuidor.

Esta garantía no cubrirá las averías que resulten como consecuencia de una instalación incorrecta del aparato, manifiesto maltrato o uso inadecuado del mismo.

Philips se obliga a reparar y devolver a usted su aparato en un plazo no mayor de 30 días hábiles contados a partir de la fecha de haber ingresado su aparato a uno de nuestros talleres.

Con la presentacíon de la factura o remisión de su aparato podrá hacer efectiva la garantía.

Si usted tiene alguna duda o pregunta que no le pueda solucionar su distribuidor, por favor ponerse en contacto con:

Oficinas Centrales de Servicio,
Av. Coyoacán No. 1051,
Col. del Valle,
03100 México, D.F.
☎ 5-75-20-22 o 5-75-01-00

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          PRECAUCIÓN - ADVERTENCIA
          No abrir, riesgo de choque eléctrico
⚡              ATENCIÓN                  !
          Verifique que el voltaje de alimentación
          sea el requerido para su aparato

     Para evitar el riesgo de choque eléctrico, no quite la tapa.
     En caso de requerir servicio, dirijase al personal calificado.
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Es necesario que lea cuidadosamente su instructivo de manejo.

Certificado de garantia internacional

Este aparelho é garantido pela Philips da Amazônia Indústria Eletrônica LTDA, por um período superior ao estabelecido por lei. Porém, para que a garantia tenha validade, é imprescindível que, além deste certificado, seja apresentada a nota fiscal de compra do produto.

1. Philips da Amazônia Indústria Eletrônica LTDA assegura ao proprietário consumidor deste aparelho a garantia de 365 dias (90 dias legal e 275 dias adicional) *contados a partir da data de entrega do produto, conforme expresso na nota fiscal de compra,* que passa a fazer parte deste certificado.

2. Esta garantia perderá sua validade se:
   a. O defeito apresentado for ocasionado por uso indevido ou em desacordo com o seu manual de instruções.
   b. O produto for alterado, violado ou consertado por pessoa não autorizada pela Philips.
   c. O produto for ligado a fonte de energia (rede elétrica, pilhas, bateria, etc.) de características diferentes das recomendadas no manual de instruções e/ou no produto.
   d. O numero de série que identifica o produto estiver de alguma forma adulterad ou rasurado.

3. Estão excluídos desta garantia defeitos decorrentes do descumprimento do manual de instruções do produto, de casos fortuitos ou de força maior, bem como aqueles causados por agentes da natureza e acidentes.

4. Excluem-se igualmente desta garantia defeitos decorrentes do uso dos produtos, em serviços não doméstico/residencial regular ou em desacordo com o uso recomendado.

5. Nos municípios onde não exista oficina autorizada de serviço Philips, as despesas de transporte do aparelho e/ou técnico autorizado, correm por conta do sr. consumidor requerente do serviço.

6. Este produto tem *garantia internacional.* O serviço técnico (durante ou após a garantia) é disponível em todos os países onde este produto é oficialmente distribuído pela Philips. Nos países onde a Philips não distribui este produto, o serviço técnico da Philips local poderá prestar tal serviço, contudo poderá ocorrer algum atraso no prazo de atendimento se a devida peça de reposição e o manual técnico não forem prontamente disponíveis.

7. A garantia não será válida se o produto necessitar de modificações ou adaptações para habilitá-lo a operar em qualquer outro país que não aquele para o qual foi designado, fabricado, aprovado e/ou autorizado, ou ter sofrido qualquer dano decorrente deste tipo de modificação.

Philips da Amazônia Indústria Eletrônica LTDA.

Dentro do Brasil, para informações adicionais sobre o produto ou para eventual necessidade de utilização da rede de oficinas autorizadas, ligue para o centro de informações ao consumidor, ☎ 0800-123123 (discagem direta gratuita), ou escreva para a:

caixa postal 21462 - CEP 04698-970 - São Paulo - Sp.

Horário de atendimento: de segunda à sexta-feira, das 08:00 às 19:00 h; aos sábados das 08:00 às 13:00 h.

Para atendimento fora do Brasil contate a Philips local ou a:
Philips Consumer Service
Beukenlaan 2
5651 CD Eindhoven
The Netherlands

DCC 175 Digital Compact Cassette Recorder